

*Edward Teller Science & Technology Education Symposium*

# **Interpreting Radiocarbon Data With...**

## **And soil cores**

UCRL MI 140404

11/3/00

**When volcanoes erupt, they can emit a lot of ash.**

**Sometimes volcanic ash buries plants  
that can be radiocarbon dated.**

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**Over time, multiple ash layers form. Some trapping organic matter that can be dated.**

**Iceland has many volcanoes and eruptions.**

**Mainly because it is located on two tectonic plates...Iceland is the land of FIRE and ICE.**

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# Iceland is a good place to study volcanoes.

**Today we will  
study the  
Snæfellsjökull  
volcano in  
Western  
Iceland**

**By coring into the ground, the history of volcanic eruptions be explored.**

# **Today's activity is based on Dr. Cook's volcano and soil core research in Ólafsvík, Iceland**

**Dr. Andrea Cook**

Snæfellsjökull

Ólafsvík

Iceland